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| COMPANY: USPTO | DATE: APRIL 28, 2006 |
| FACSIMILE NUMBER: 571-273-8300 | TOTAL NO. OF PAGES INCLUDING COVER: 12 |
| PHONE NUMBER: | SENDER'S REFERENCE NUMBER: 022,0008 (1630) |
| RE: Supplemental Information Disclosure Statement | RECIPIENT'S REFERENCE NUMBER: 10/661,652 |

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NOTES/COMMENTS:

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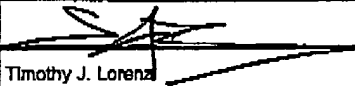
PTO/SB/21 (09-04)

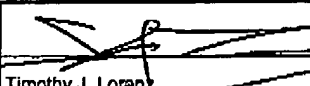
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| | | | |
|---|----------------------|------------------------|-----------------|
| TRANSMITTAL FORM (to be used for all correspondence after initial filing) | Application Number | 10/661,652 | |
| | Filing Date | September 12, 2003 | |
| | First Named Inventor | Richard T. Knadle | |
| | Art Unit | 2821 | |
| | Examiner Name | DINH, TRINH VO | |
| Total Number of Pages in This Submission | 18 | Attorney Docket Number | 022.0008 (1630) |

| ENCLOSURES (Check all that apply) | | |
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| Remarks | | |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT | | | |
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| Firm Name | Ingrassia Fisher & Lorenz, PC | | |
| Signature |  | | |
| Printed name | Timothy J. Lorenz | | |
| Date | 04/28/06 | Reg. No. | 41,854 |

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UTILITY PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: Richard T. KNADLE JR. Group Art Unit: 2821
Serial No.: 10/661,652 Examiner: DINH, TRINH VO
Filed: September 12, 2003 Atty Docket No.: 022.0008 (1630)
For: DIRECTIONAL ANTENNA ARRAY

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P O Box 1450
Alexandria, VA 22313-1450

Commissioner:

In accordance with 37 C.F.R. 1.56 and in a manner prescribed by 37 C.F.R. 1.97 and 1.98, this Information Disclosure Statement (IDS) is being submitted herewith for consideration by the United States Patent and Trademark Office.

I. **CONTENT**

This IDS includes:

- ☒ A list of all patents, publications, applications, or other information submitted for consideration by the Office on PTO/SB/08A Form, which is included herewith;
- ☒ If required, a legible copy of: (i) each foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) each cited pending U.S. application, the application specification including claims, and any drawing of the application, or that portion of the application which caused it to be listed including any claims directed to that portion; and (iv) all other information or that portion which caused it to be listed, unless subsequently provided in this IDS.

05/01/2006 TL0111 00000055 502091 10661652
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II. CONCISE EXPLANATION OF THE RELEVANCE (check at least one box)

- ☒ Except as may be subsequently indicated in this section II, a concise explanation is not required as all of the patents, publications, applications or other information are in the English language, or the degree of relevance of each is indicated in the English language version of the International Search Report, which accompanies this IDS.
- ☐ A concise explanation of the relevance, as it is presently understood by the individual designated in 1.56(a) most knowledgeable about the content of the information, of all patents, publications, applications or other information listed that is not in the English language.
- ☒ A copy of the translation of a non-English Language document, or portion thereof is enclosed with this IDS (e.g., a translation of an abstract).
- ☐ Any patent, publication, pending application or other information that is listed on PTO/SB/08A Form, which are not enclosed herewith were previously cited by or submitted to the Office in one of the following applications that has been relied on for an earlier effective filing date under 35 U.S.C 120 and the IDS submitted in the earlier application complies with paragraphs (a) through (c) of 1.98:

| U.S. Application Serial No. | U.S. Filing Date |
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III. THIS IDS IS BEING FILED UNDER 37 C.F.R. 1.97(b): (check one box)

- ☐ Within three months of the filing date of a national application other than a continued prosecution application under 1.53(d).
- ☐ Within three months of the date of entry of the national stage as set forth in 1.491 in an international application.
- ☐ Before the mailing date of a first Office Action on the merits. In the event that a first Office Action on the merits has been mailed, please consider this IDS under 37 C.F.R. 1.97(c) and see the statement under 1.97(e) or charge deposit account 50-2091 the fee specified by 37 C.F.R. 1.17(p) if such statement is not selected in Section VI.
- ☐ Before the mailing of a first Office Action after the filing of a request for continued examination under 1.114.

IV. THIS IDS IS BEING FILED UNDER 37 C.F.R. 1.97(c):

- ☐ After the period specified in 37 C.F.R. 1.97(b) and before the mailing date of any of a final action under 1.113, a notice of allowance under 1.311 or an action that otherwise closes prosecution in the application, and accompanied by:
- ☐ a statement specified in 1.97(e) as subsequently provided in this IDS;
or
- ☐ the fee set forth in 1.17(p).

V. THIS IDS IS BEING FILED UNDER 37 C.F.R. 1.97(d):

- ☒ After the period specified in 37 C.F.R. 1.97(c) and on or before the payment of the issue fee, and it is accompanied by a statement specified in 1.97(e) as subsequently provided in this IDS and the fee set forth in 1.17(p).

VI. Statement under 37 C.F.R. 1.97(e) (check only one box)

The undersigned hereby states that:

- ☒ Each item of information contained in the IDS was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS.
- ☐ No item of information contained in the IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the IDS was known to any individual designated in 37 C.F.R. 1.56(c) more than three months prior to the filing of this IDS.

VII. Statement under 37 C.F.R. §1.704(d)

- ☐ The undersigned hereby states that each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in 37 C.F.R. §1.56(c) more than thirty days prior to the filing of the information disclosure statement.

VIII. PAYMENT OF FEES (check one box)

- ☐ A check in the amount of \$_____ is enclosed for fees due with respect to this IDS.
- ☒ Please charge Deposit Account No. 50-2091 in the amount of \$180.00 for the fees due with respect to this IDS.

IX. CONCLUSION

It is respectfully submitted that the claims presently on file patently distinguish the present invention from each of these references cited in this IDS. The references cited in this IDS are being cited only in the interests of candor and without any admission that they constitute statutory prior art or contain matter which anticipates the invention or which would render the same obvious, either singly or in a combination, to a person of ordinary skill in the art. Furthermore the filing of this IDS should not be construed to be an admission that the information cited in this IDS is, or is considered to be, material to patentability as defined in 1.56(b). In addition, the filing of this IDS should not be construed as a representation that a search has been made.

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Respectfully submitted,

Date: 04/28/06

By: 

Timothy J. Lorenz
Reg. No. 41,954

Ingrassia Fisher & Lorenz
Customer Number 29906

Enclosures:

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| <input checked="" type="checkbox"/> |
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PTO/SB/08A
References
Foreign Search Report
Fee
Other: _____

APR 28 2006 No. 8402 P. 7

PTO/SB/08A (07-05)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

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| Application Number | 10/661,652 |
| Filing Date | September 12, 2003 |
| First Named Inventor | Richard T. Knadle JR. |
| Art Unit | 2821 |
| Examiner Name | DINH, TRINH VO |
| Attorney Docket Number | 022.0008 (1630) |

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| Sheet | 1 | of | 1 |
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| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|-----------------------|---|------------------|---|---|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ^o |
| | | Country Code ² -Number ⁴ -Kind Code ³ (if known) | MM-DD-YYYY | | | |
| | | EP1209615 A | 05/29/2002 | Advanced Microwave | | |
| | | EP0598624 A | 05/25/1994 | British Technology Group | | |
| | | WO/2004/015625 A | 02/19/2004 | BNC IP Switzerland | | |
| | | WO/1998/37596 A | 08/27/1998 | LUSIGNAN et al | | |
| | | JP2001109853 | 04/20/2001 | Toshiba Corp. | | |
| | | | 01/31/2006 | | | |

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This collection of Information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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